

Mark P Keller

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

1,960
citations

24
h-index

44
g-index

57
ext. papers

2,555
ext. citations

7.6
avg, IF

4.29
L-index

#	Paper	IF	Citations
47	B-adrenergic receptor downregulation leads to adipocyte catecholamine resistance in obesity. <i>Journal of Clinical Investigation</i> , 2021 ,	15.9	2
46	Reversal of hypertriglyceridemia in diabetic BTBR ob/ob mice does not prevent nephropathy. <i>Laboratory Investigation</i> , 2021 , 101, 935-941	5.9	3
45	INFIMA leverages multi-omics model organism data to identify effector genes of human GWAS variants. <i>Genome Biology</i> , 2021 , 22, 241	18.3	
44	Application of 2D IR Bioimaging: Hyperspectral Images of Formalin-Fixed Pancreatic Tissues and Observation of Slow Protein Degradation. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 9517-9525	3.4	2
43	Identification of direct transcriptional targets of NFATC2 that promote β cell proliferation. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	1
42	Proteomic pathways to metabolic disease and type 2 diabetes in the pancreatic islet. <i>IScience</i> , 2021 , 24, 103099	6.1	1
41	FAM13A affects body fat distribution and adipocyte function. <i>Nature Communications</i> , 2020 , 11, 1465	17.4	17
40	Secretion of Recombinant Interleukin-22 by Engineered <i>Lactobacillus reuteri</i> Reduces Fatty Liver Disease in a Mouse Model of Diet-Induced Obesity. <i>MSphere</i> , 2020 , 5,	5	8
39	From methylene bridged diindole to carbonyl linked benzimidazoleindole: Development of potent and metabolically stable PCSK9 modulators. <i>European Journal of Medicinal Chemistry</i> , 2020 , 206, 112678	6.8	2
38	A large-scale genome-lipid association map guides lipid identification. <i>Nature Metabolism</i> , 2020 , 2, 1149-1162	14.62	14
37	Genetic determinants of gut microbiota composition and bile acid profiles in mice. <i>PLoS Genetics</i> , 2019 , 15, e1008073	6	32
36	Exploiting Prophage-Mediated Lysis for Biotherapeutic Release by. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	7
35	Gene loci associated with insulin secretion in islets from non-diabetic mice. <i>Journal of Clinical Investigation</i> , 2019 , 129, 4419-4432	15.9	26
34	Dietary Fructose and Microbiota-Derived Short-Chain Fatty Acids Promote Bacteriophage Production in the Gut Symbiont <i>Lactobacillus reuteri</i> . <i>Cell Host and Microbe</i> , 2019 , 25, 273-284.e6	23.4	72
33	Islet proteomics reveals genetic variation in dopamine production resulting in altered insulin secretion. <i>Journal of Biological Chemistry</i> , 2018 , 293, 5860-5877	5.4	22
32	Perilipin 5 and liver fatty acid binding protein function to restore quiescence in mouse hepatic stellate cells. <i>Journal of Lipid Research</i> , 2018 , 59, 416-428	6.3	14
31	Genetic Drivers of Pancreatic Islet Function. <i>Genetics</i> , 2018 , 209, 335-356	4	26

30	Increased transport of acetyl-CoA into the endoplasmic reticulum causes a progeria-like phenotype. <i>Aging Cell</i> , 2018 , 17, e12820	9.9	28
29	Hunk, a Serine/Threonine Protein Kinase, Regulates Insulin Secretion from Pancreatic Islets. <i>FASEB Journal</i> , 2018 , 32, 670.15	0.9	
28	Intracellular lipid metabolism impairs β cell compensation during diet-induced obesity. <i>Journal of Clinical Investigation</i> , 2018 , 128, 1178-1189	15.9	23
27	Host Genotype and Gut Microbiome Modulate Insulin Secretion and Diet-Induced Metabolic Phenotypes. <i>Cell Reports</i> , 2017 , 18, 1739-1750	10.6	91
26	Statistical Methods for Latent Class Quantitative Trait Loci Mapping. <i>Genetics</i> , 2017 , 206, 1309-1317	4	
25	Targeted Mass Spectrometry Approach Enabled Discovery of O-Glycosylated Insulin and Related Signaling Peptides in Mouse and Human Pancreatic Islets. <i>Analytical Chemistry</i> , 2017 , 89, 9184-9191	7.8	29
24	Diet-Microbiota Interactions Mediate Global Epigenetic Programming in Multiple Host Tissues. <i>Molecular Cell</i> , 2016 , 64, 982-992	17.6	280
23	NeuCode Proteomics Reveals Bap1 Regulation of Metabolism. <i>Cell Reports</i> , 2016 , 16, 583-595	10.6	44
22	Histone chaperone ASF1B promotes human β cell proliferation via recruitment of histone H3.3. <i>Cell Cycle</i> , 2016 , 15, 3191-3202	4.7	25
21	Genetic Architectures of Quantitative Variation in RNA Editing Pathways. <i>Genetics</i> , 2016 , 202, 787-98	4	20
20	The Transcription Factor Nfatc2 Regulates β Cell Proliferation and Genes Associated with Type 2 Diabetes in Mouse and Human Islets. <i>PLoS Genetics</i> , 2016 , 12, e1006466	6	22
19	The Dissection of Expression Quantitative Trait Locus Hotspots. <i>Genetics</i> , 2016 , 202, 1563-74	4	16
18	Nat1 Deficiency Is Associated with Mitochondrial Dysfunction and Exercise Intolerance in Mice. <i>Cell Reports</i> , 2016 , 17, 527-540	10.6	24
17	Identification of the Bile Acid Transporter Slco1a6 as a Candidate Gene That Broadly Affects Gene Expression in Mouse Pancreatic Islets. <i>Genetics</i> , 2015 , 201, 1253-62	4	15
16	Induction of miR-132 and miR-212 Expression by Glucagon-Like Peptide 1 (GLP-1) in Rodent and Human Pancreatic β Cells. <i>Molecular Endocrinology</i> , 2015 , 29, 1243-53		39
15	Global Identification of Protein Post-translational Modifications in a Single-Pass Database Search. <i>Journal of Proteome Research</i> , 2015 , 14, 4714-20	5.6	34
14	Identification and Correction of Sample Mix-Ups in Expression Genetic Data: A Case Study. <i>G3: Genes, Genomes, Genetics</i> , 2015 , 5, 2177-86	3.2	11
13	The Mouse Universal Genotyping Array: From Substrains to Subspecies. <i>G3: Genes, Genomes, Genetics</i> , 2015 , 6, 263-79	3.2	109

12	Energy metabolic reprogramming in the hypertrophied and early stage failing heart: a multisystems approach. <i>Circulation: Heart Failure</i> , 2014 , 7, 1022-31	7.6	165
11	Downregulation of carnitine acyl-carnitine translocase by miRNAs 132 and 212 amplifies glucose-stimulated insulin secretion. <i>Diabetes</i> , 2014 , 63, 3805-14	0.9	40
10	RNA-Seq alignment to individualized genomes improves transcript abundance estimates in multiparent populations. <i>Genetics</i> , 2014 , 198, 59-73	4	55
9	Phosphorylation and degradation of tomosyn-2 de-represses insulin secretion. <i>Journal of Biological Chemistry</i> , 2014 , 289, 25276-86	5.4	19
8	Modeling causality for pairs of phenotypes in system genetics. <i>Genetics</i> , 2013 , 193, 1003-13	4	28
7	Integrative analysis of a cross-loci regulation network identifies App as a gene regulating insulin secretion from pancreatic islets. <i>PLoS Genetics</i> , 2012 , 8, e1003107	6	49
6	Positional cloning of a type 2 diabetes quantitative trait locus; tomosyn-2, a negative regulator of insulin secretion. <i>PLoS Genetics</i> , 2011 , 7, e1002323	6	53
5	FoxM1 is up-regulated by obesity and stimulates beta-cell proliferation. <i>Molecular Endocrinology</i> , 2010 , 24, 1822-34		69
4	Physiological insights gained from gene expression analysis in obesity and diabetes. <i>Annual Review of Nutrition</i> , 2010 , 30, 341-64	9.9	55
3	CAUSAL GRAPHICAL MODELS IN SYSTEMS GENETICS: A UNIFIED FRAMEWORK FOR JOINT INFERENCE OF CAUSAL NETWORK AND GENETIC ARCHITECTURE FOR CORRELATED PHENOTYPES. <i>Annals of Applied Statistics</i> , 2010 , 4, 320-339	2.1	72
2	Genetic validation of whole-transcriptome sequencing for mapping expression affected by cis-regulatory variation. <i>BMC Genomics</i> , 2010 , 11, 473	4.5	27
1	A gene expression network model of type 2 diabetes links cell cycle regulation in islets with diabetes susceptibility. <i>Genome Research</i> , 2008 , 18, 706-16	9.7	269